

No. 627,517.

Patented June 27, 1899.

F. L. MORGAN.
ADJUSTABLE SUPPORT.

(Application filed Feb. 12, 1898.)

(No Model.)

Fig. 2.

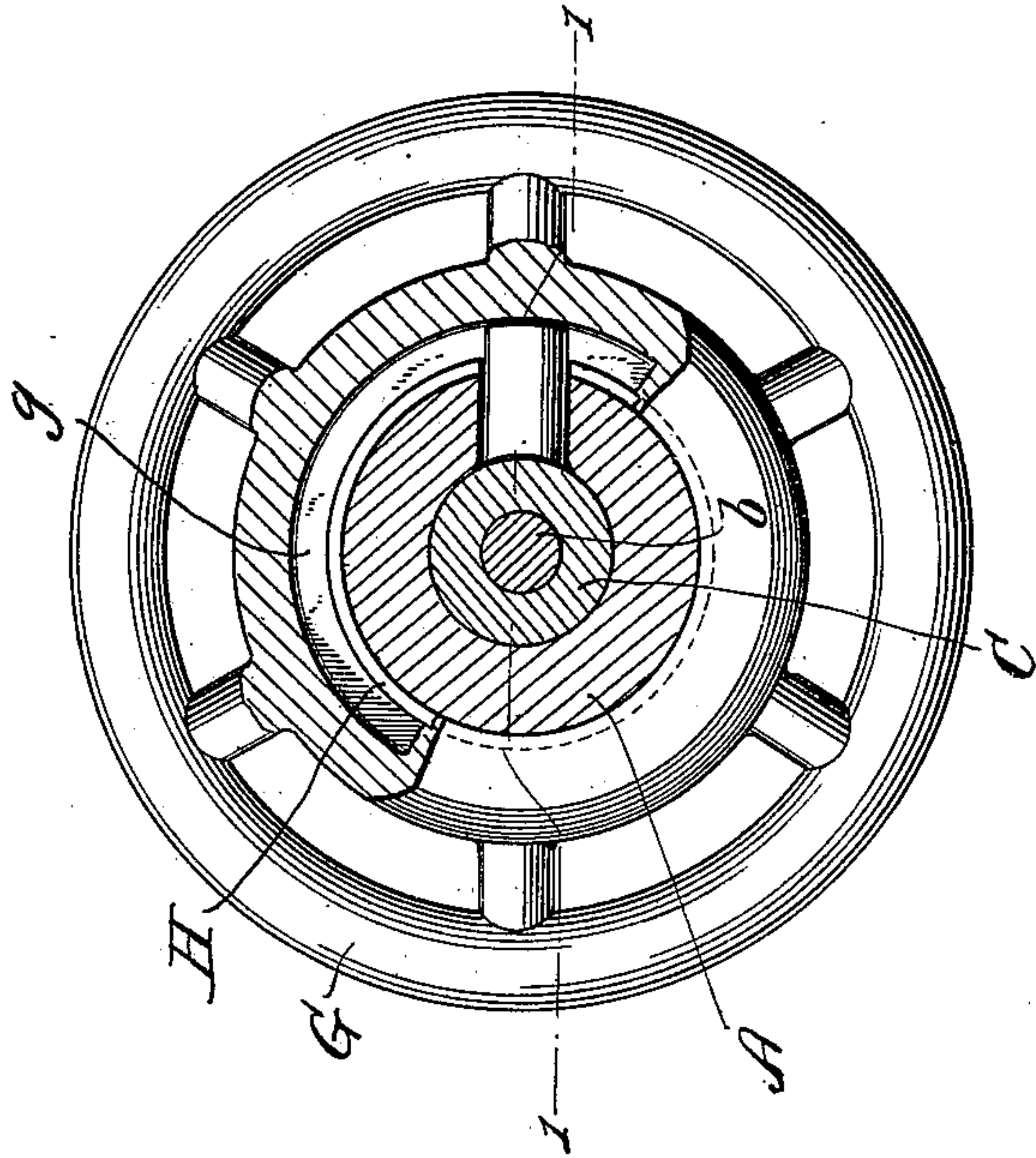
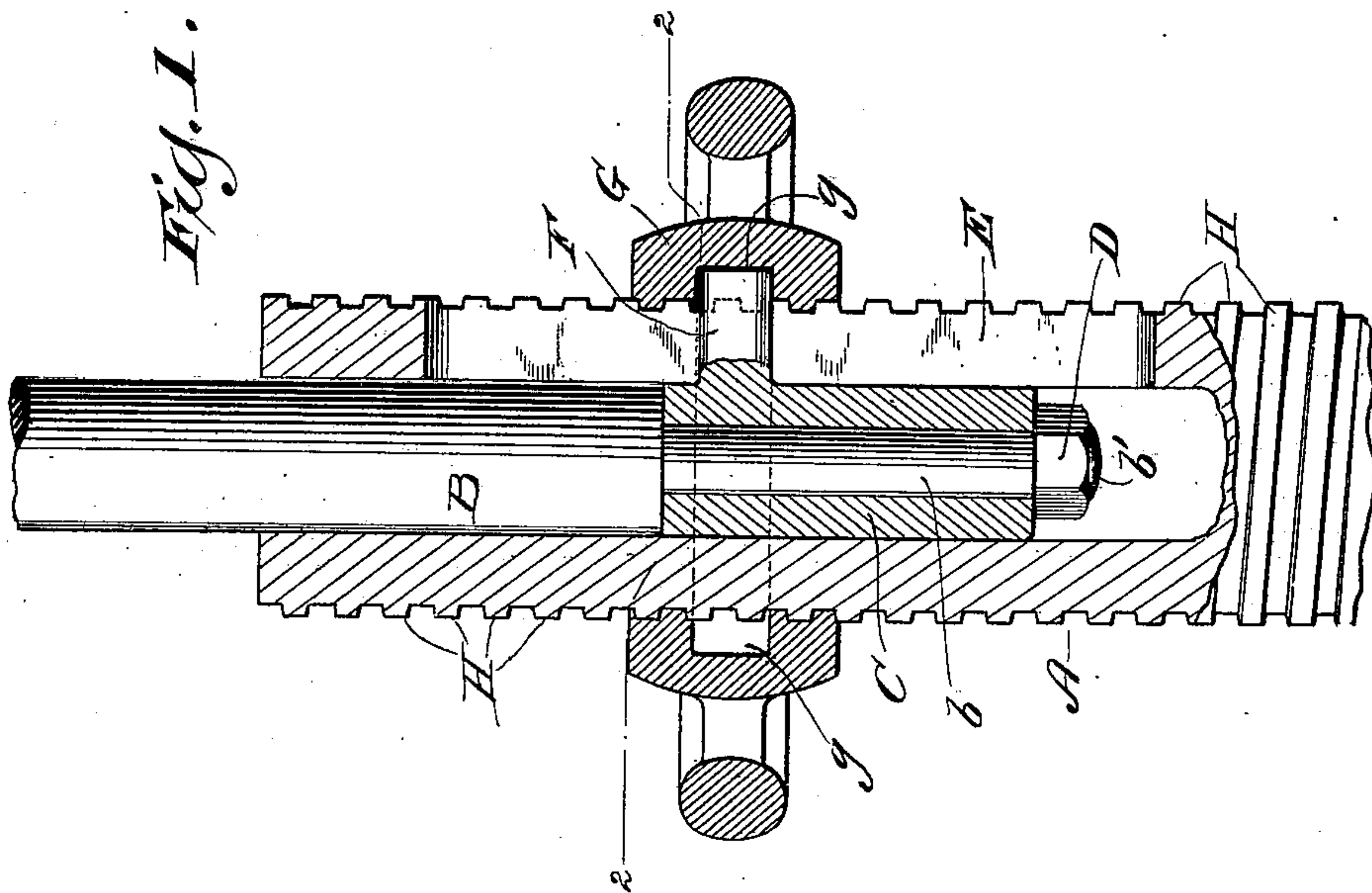


Fig. 1.



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UNITED STATES PATENT OFFICE.

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ADJUSTABLE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 627,517, dated June 27, 1899.

Application filed February 12, 1896. Serial No. 579,045. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK L. MORGAN, a citizen of the United States, residing at Port Washington, county of Ozaukee, State of Wisconsin, have invented a certain new and useful Improvement in Adjustable Supports; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to new and useful improvements in adjustable supports, and relates more particularly to that class of devices which are used upon chair and stool irons and in similar locations.

My said invention consists in the matters hereinafter described, and pointed out in the appended claim.

In the accompanying drawings, illustrating my invention, Figure 1 is a vertical sectional view of an adjustable support constructed in accordance with my invention, said section being taken on line 1 1 of Fig. 2. Fig. 2 is a view, partly in plan and partly in transverse section, on line 2 2 of Fig. 1.

Referring by letter to the drawings, A designates a suitable tubular support or hub which may be constructed to adapt it for connection with a chair-base or any other desired form of base or support.

B designates a spindle which is fitted within the bore of the hub or support A and is adapted to rotate therein, said spindle being designed to revolvably support a chair or stool or any other desired object. A suitable sleeve C is revolvably connected with the spindle B in any desired or convenient manner, in the particular construction illustrated in the drawings said sleeve being engaged with a reduced bearing *b*, formed upon the lower end of the spindle B. In this particular construction any means may be employed for securing the sleeve to the reduced bearing portion *b*—such, for instance, as a nut D, screw-threaded upon the lower end of said reduced bearing and retained in position by riveting or heading the extremity D' of said bearing against the lower face of said nut. Of course any other well-known means may be

employed for permanently securing the sleeve in revolvable engagement with the bearing.

One or more suitable slots E are provided in the tubular support A, and a corresponding number of projections or pins F are provided upon the sleeve C and arranged to extend outward through the slot or slots E in the manner shown. It follows from this construction that the sleeve C, together with the spindle B and the object supported thereby, may be raised or lowered within the bore of the hub and that by securing the projection or projections F in an adjusted position within the slot or slots E so as to support the weight of the spindle and the load thereon the height of said spindle and the chair or other object supported thereby may be regulated at will, while the spindle B and the chair or other object carried thereby will remain freely revolvable by reason of the revolvable engagement of said spindle with the sleeve.

Any suitable or desired means may be provided for engagement with the pin or pins to secure the same in an adjusted position within the slot or slots, and for this purpose I may employ a device such as is illustrated in the drawings, which said device comprises a suitable hand-wheel G, screw-threaded upon its interior and engaged with the screw-thread H upon the exterior of the tubular support or hub A, as shown, said hand-wheel being revolvably engaged with the projecting pin or pins F in any suitable or desired manner. In the particular form of construction shown the hand-wheel G is provided upon the interior of its hub with an annular groove *g* for engagement with said pin or pins. It follows from this construction that by a rotation of the hand-wheel the same will be caused to travel up or down upon the tubular support or hub A, according to the direction of said rotation, while by the engagement of said hand-wheel with the projecting pin or pins the sleeve C, together with the spindle and the object supported thereby, will be correspondingly raised or lowered.

Any other suitable or desired device may be employed for securing the pin or pins in an adjusted position within the slot or slots, the particular form of device illustrated in

the drawings being designed simply to illustrate a means of readily adjusting and securing the parts within the hub. I would have it understood, therefore, that my present invention contemplates the use of any suitable or desired means for adjusting or permitting the adjustment of the sleeve and spindle within the bore of the hub and for securing the same in an adjusted position with respect to the hub.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—
An adjustable support comprising a tubu-

lar hub provided with a vertical slot, a spindle revoluble therein, a sleeve within the hub and upon the spindle, and provided with an adjusting arm or projection extending through the slot in the hub, and suitable means for securing said adjusting arm or projection in an adjusted position within the slot, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

FREDERICK L. MORGAN.

Witnesses:

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